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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2020-01-06-19 **Date: 06-09-19**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Bangla School Opposite Road Jagadish House Road and Surrounding Areas in Ward No-01 of Yelahanka Sub Division.
Agency	:	Sri. Satish.S No:597, Down Bazaar Road, Yelahanka Old Town Bangalore-560064
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/104/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-09-19
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	04-09-19
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.2	–
2	Finess by Air permeablity method (m^2/kg,Min)	284.6	225m^2/kg, Min
3	Density (gm/cc)	3.14	–
4	Standard Consistency (%)	29%	Not specified
5	Initial Setting time	165 minutes	Not less than 30 minutes
6	Final Setting time	270 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	3mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

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Samples will be disposed after 90 days from the date of issue of test certificate

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro BANGALORE Sig. Date

****End of Report****

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2020-01-06-19 Date: 03-10-19
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Bangla School Opposite Road Jagadish House Road and Surrounding Areas in Ward No-01 of Yelahanka Sub Division.
Agency	:	Sri. Satish.S No:597, Down Bazaar Road, Yelahanka Old Town Bangalore-560064
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/104/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-09-19
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification, IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	04-09-19
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	28.0N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.0N/mm^2	Not less than 53 N/mm^2

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Quality Manager

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****End of Report****

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2020-01-06-19** **Date: 06-09-19**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Bangla School Opposite Road Jagadish House Road and Surrounding Areas in Ward No-01 of Yelahanka Sub Division.
Agency	:	Sri. Satish.S No:597, Down Bazaar Road, Yelahanka Old Town Bangalore-560064
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/104/2018-19
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	03-09-19
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	03-09-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : **15000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	215	215	1.4	98.6	90-100
3	20 mm	7264	7479	49.9	50.1	30-70
4	10 mm	4342	11821	78.8	21.2	10-35
5	4.75 mm	2675	14496	96.6	3.4	0-5
6	Pan	504	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2020-01-06-19** **Date: 05-09-19**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Bangla School Opposite Road Jagadish House Road and Surrounding Areas in Ward No-01 of Yelahanka Sub Division.
Agency	:	Sri. Satish.S No:597, Down Bazaar Road, Yelahanka Old Town Bangalore-560064
Customer Reference	:	EE(YNK.D)E-PMT-19/W.O/104/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-09-19
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	03-09-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	247	247	4.9	95.1	90-100
3	10 mm	2534	2781	55.6	44.4	25-55
4	4.75 mm	2117	4898	98.0	2.0	0-10
5	Pan	102	5000	100	0	–

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2020-01-06-19** **Date: 05-09-19**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	10.6	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.5	
3	Specific Gravity	2.75	_
4	Bulk Density(Loose) (Kg/l)	1.63	_
5	Bulk Density(Compacted) (Kg/l)	1.58	_
6	Water Absorption(%)	0.17	_
7	Aggregate crushing Value(%)	25.5	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.6	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

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Quality Manager

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TEST REPORT OF FINE AGGREGATE

Lab ID	:	**CP-2020-01-06-19** **Date: 05-09-19**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Bangla School Opposite Road Jagadish House Road and Surrounding Areas in Ward No-01 of Yelahanka Sub Division.
Agency	:	Sri. Satish.S No:597, Down Bazaar Road, Yelahanka Old Town Bangalore-560064
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/104/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-09-19
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	03-09-19
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	26	26	2.6	97.4	90-100	90-100	90-100	95-100
3	2.36 mm	53	79	7.9	92.1	60-95	75-100	85-100	95-100
4	1.18 mm	249	328	32.8	67.2	30-70	55-90	75-100	90-100
5	600 micron	215	543	54.3	45.7	15-34	35-59	60-79	80-100
6	300 micron	202	745	74.5	25.5	5-20	8-30	12-40	15-50
7	150 micron	195	940	94.0	6.0	0-10	0-10	0-10	0-15
8	Pan	60	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2020-01-06-19 Date: 05-09-19

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.4	–
2	Specific Gravity	2.58	–
3	Material finer than 75 micron(%)	6.4	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2020-01-06-19 **Date: 19/09/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Bangla School Opposite Road Jagadish House Road and Surrounding Areas in Ward No-01 of Yelahanka Sub Division.
Agency	:	Sri. Satish.S No:597, Down Bazaar Road, Yelahanka Old Town Bangalore-560064
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/104/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-09-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	19/09/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/09/2019	19/09/2019	151.09 X 151.45 X 151.09	22883	8.408	591.9	25.9	25.6
2	Cement Concrete Pavement	M30	12/09/2019	19/09/2019	151.03 X 149.47 X 150.03	22574	8.815	599.6	26.6	
3	Cement Concrete Pavement	M30	12/09/2019	19/09/2019	149.11 X 151.69 X 151.36	22619	8.928	554.2	24.5	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2020-01-06-19 Date: 10/10/2019
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Bangla School Opposite Road Jagadish House Road and Surrounding Areas in Ward No-01 of Yelahanka Sub Division.
Agency	:	Sri. Satish.S No:597, Down Bazaar Road, Yelahanka Old Town Bangalore-560064
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/104/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-09-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/10/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/09/2019	10/10/2019	150.18 X 151.24 X 149.24	22714	8.188	762.3	33.6	33.1
2	Cement Concrete Pavement	M30	12/09/2019	10/10/2019	150.22 X 150.90 X 150.38	22668	8.211	730.7	32.2	
3	Cement Concrete Pavement	M30	12/09/2019	10/10/2019	149.56 X 150.64 X 149.52	22529	8.174	755.8	33.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2020-01-06-19 Date: 19/09/2019
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Bangla School Opposite Road Jagadish House Road and Surrounding Areas in Ward No-01 of Yelahanka Sub Division.
Agency	:	Sri. Satish.S No:597, Down Bazaar Road, Yelahanka Old Town Bangalore-560064
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/104/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-09-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	19/09/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/09/2019	19/09/2019	149.33 X 151.24 X 149.68	22585	8.408	566.6	25.1	25.4
2	Cement Concrete Pavement	M30	12/09/2019	19/09/2019	149.07 X 151.68 X 150.02	22611	8.815	596.5	26.4	
3	Cement Concrete Pavement	M30	12/09/2019	19/09/2019	149.15 X 151.15 X 149.97	22543	8.928	558.6	24.8	

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Lab ID	:	**CP-2020-01-06-19** **Date: 19/09/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Bangla School Opposite Road Jagadish House Road and Surrounding Areas in Ward No-01 of Yelahanka Sub Division.
Agency	:	Sri. Satish.S No:597, Down Bazaar Road, Yelahanka Old Town Bangalore-560064
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/104/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-09-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	19/09/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/09/2019	19/09/2019	151.85 X 150.77 X 150.40	22895	8.408	590.4	25.8	25.6
2	Cement Concrete Pavement	M30	12/09/2019	19/09/2019	149.56 X 150.69 X 151.78	22537	8.815	596.4	26.5	
3	Cement Concrete Pavement	M30	12/09/2019	19/09/2019	150.33 X 149.74 X 152.00	22511	8.928	549.6	24.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2020-01-06-19** **Date: 10/10/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Bangla School Opposite Road Jagadish House Road and Surrounding Areas in Ward No-01 of Yelahanka Sub Division.
Agency	:	Sri. Satish.S No:597, Down Bazaar Road, Yelahanka Old Town Bangalore-560064
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/104/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-09-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/10/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/09/2019	10/10/2019	150.40 X 151.03 X 151.54	22715	8.188	750.0	33.0	32.9
2	Cement Concrete Pavement	M30	12/09/2019	10/10/2019	151.59 X 150.85 X 149.51	22867	8.211	742.9	32.5	
3	Cement Concrete Pavement	M30	12/09/2019	10/10/2019	151.47 X 151.71 X 151.39	22980	8.174	762.2	33.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 10/10/2019

Lab ID	:	CP-2020-01-06-19
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Bangla School Opposite Road Jagadish House Road and Surrounding Areas in Ward No-01 of Yelahanka Sub Division.
Agency	:	Sri. Satish.S No:597, Down Bazaar Road, Yelahanka Old Town Bangalore-560064
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/104/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-09-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/10/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/09/2019	10/10/2019	150.36 X 150.00 X 151.35	22554	8.188	756.9	33.6	33.0
2	Cement Concrete Pavement	M30	12/09/2019	10/10/2019	151.18 X 151.39 X 151.40	22887	8.211	740.4	32.3	
3	Cement Concrete Pavement	M30	12/09/2019	10/10/2019	151.45 X 151.20 X 149.71	22900	8.174	759.5	33.2	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

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FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro BANGALORE Sig. Date.

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****End of Report****

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4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 19/09/2019

Lab ID	:	CP-2020-01-06-19
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Bangla School Opposite Road Jagadish House Road and Surrounding Areas in Ward No-01 of Yelahanka Sub Division.
Agency	:	Sri. Satish.S No:597, Down Bazaar Road, Yelahanka Old Town Bangalore-560064
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/104/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-09-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	19/09/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/09/2019	19/09/2019	149.64 X 150.18 X 149.88	22473	8.408	566.0	25.2	25.6
2	Cement Concrete Pavement	M30	12/09/2019	19/09/2019	151.32 X 150.31 X 149.97	22746	8.815	608.1	26.7	
3	Cement Concrete Pavement	M30	12/09/2019	19/09/2019	149.93 X 149.03 X 149.95	22345	8.928	553.8	24.8	

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro Sig Date BANGALORE

****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

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4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 10/10/2019

Lab ID	:	CP-2020-01-06-19
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Bangla School Opposite Road Jagadish House Road and Surrounding Areas in Ward No-01 of Yelahanka Sub Division.
Agency	:	Sri. Satish.S No:597, Down Bazaar Road, Yelahanka Old Town Bangalore-560064
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/104/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-09-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/10/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/09/2019	10/10/2019	149.55 X 150.71 X 149.65	22539	8.188	744.9	33.0	33.1
2	Cement Concrete Pavement	M30	12/09/2019	10/10/2019	150.28 X 150.32 X 149.22	22589	8.211	736.2	32.6	
3	Cement Concrete Pavement	M30	12/09/2019	10/10/2019	151.17 X 150.14 X 151.73	22696	8.174	761.9	33.6	

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